

Amendments to the Specification (where added material is shown in underlined type, deleted material is shown in ~~strikeout type~~.)

[0066] In addition, the auxiliary winding 408 in FIG. 4 is used to drive the gates of the forward rectifier 370 and free-wheeling synchronous rectifier 380. As a result, the charging energy of the forward rectifier 370 can be used for part of output (Vo) energy or to charge up the gate of the free-wheeling rectifier 380, thereby creating still higher efficiency. In FIG. 5, by contrast, the auxiliary winding 408 is used to drive the gate of the forward rectifier 370 only. A diode 410 is included in the embodiment in FIG. 5 to block the charging energy flowing to the secondary ground when auxiliary winding 408 is reversing polarity in order to use up the energy for output (Vo), thereby causing higher ~~efficiency~~ efficiency.